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Substitution of plastic materials for metals. Med. prom. 15 no.1: 54-55 Ja '61. (MIRA 14:1)

1. Leningradskiy ordena Lenina mediko-instrumental'nyy zavod "Krasnogvardeyets."

(DRUG INDUSTRY)

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New technology in the manufacture of tubular form components by means of high-frequency heating. Med.prom. 14 no.3:50-52 Mr '60. (MIRA 13:6)

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OMEL'CHENKO, B.; ZOTIKOV, V.

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1. Moskovskiy mel'nichnyy kombinat No.3.
(Moscow—Flour mills)
(Vitamins)

ROMANYUK, P.; ZOTIKOV, V.

At the Moscow Flour Mill No.3. Muk.-elev. prom. 29 no.5:15-16 My '63. (MIRA 16:7)

1. Direktor Moskovskogo mel'nichnogo kombinata No.3 (for Romanyuk).
2. Glavnyy tekhnolog Moskovskogo mel'nichnogo kombinata No.3 (for Zotikov).

(Moscow—Flour mills)

ZOTIKOV, V.; MASLOV, N.; MIREYN, S., krupchatnik; KOFMAN, S.

Corn milling; practices of the Moscow Milling Combine No.3, Mary Flour Mill, and local flour mills. Muk.-elev. prom. 30 no.3: 11-15 Mr '64. (MIRA 17:4)

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ZOTIKOV, V.

Purification of middlings in milling high-quality flour at the Moscow Milling Combine no.3. Muk.-elev.prom. 25 no.6:19-20 Je '59. (MIRA 12:9)

1. Glavnyy krupchatnik Moskovskogo mel'nichnogo kombinata No.3.
(Grain milling)

ZOTIKOV, V.

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Increasing the life of flour sifter screens. Muk.-elev. prom. 23 no.6:25 Je '57. (MLRA 10:9)

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(Sieves)

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YE. ED.

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Part 1, by V. I Budnikov, V. Ye. Zotikov and others
Moskva, Gizlegprom, 1944.
2 v.
Lib. has:

Basic text from elementary spinning to the fundamentals of the operation of spinning machines.

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[Fundamentals of the spinning of fabrics] Osnovy priadeniia voloknistykh materialov. Pod red. V.E.Zotikova. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1959. 506 p. (MIRA 12:11)

1. Kafedra pryadeniya khlopka Ivanovskogo tekhnologicheskogo instituta (IvTI) (for Karpov, Orlova, Taleporovskaya, Finkel'shteyn).
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Physics - Study and Teaching

Preparation of teaching material for the 6th and 7th grades. Fiz.v shkole no. 4, 1952

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Selecting the length of viscose staple fibers for their processing in a blend with cotton. Tekst. prom. 23 no.12: 22-28 D '63. (MIRA 17:1)

1. Moskovskiy tekstil'nyy institut (MTI).

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Scientific research in the special departments of the Faculty of Technology of the Moscow Textile Institute. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.2:138-141 '60. (MIRA 13:11)
(Moscow--Textile research)

BALYASOV, Pavel Dmitriyevich; KONYUKOV, Pavel Mikhaylovich; SHKLOVA, Nina Alekseyevna; EFROS, Boris Yefimovich; ZOTIKOV, V.Ye., prof., retsenzent; BARABANOV, L.G., retsenzent; KOFELEVICH, Ye.I., red.; VINOGRADOVA, G.A., tekhn. red.

[Laboratory manual on cotton spinning]Laboratornyi praktikum po priadeniiu khlopka. Izd.2., perer. i dop. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR "Rostekhizdat," 1962. 491 p. (MIRA 15:9)

(Cotton spinning) (Cotton machinery)

BALYASOV, P.D.; BUDNIKOV, V.I., prof.; VANCHIKOV, A.N.; VLADIMIROV, B.M.; KISELEV, A.K.; KONYUKOV, P.M.; RAKOV, A.P., prof.; SMELOVA, N.A.; EFROS, B.Ye.; ZOTIKOV, V.Ye., retsenzent; BELITSIN, N.M., retsenzent; KOSTIN, P.V., retsenzent; TERYUSHNOV, A.V., prof., red.; SOKOLOVA, V.Ya., red.; BATYREVA, G.G., tekhn. red.

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SIZOVA, A.I., aspirantka; ZOTIKOV, V.Ye., prof., doktor tekhn. nauk, rukovoditel' raboty, zasluzhennyy deyatel' nauki i tekhniki

Characteristics of cotton blends with synthetic fibers and of yarns produced from these blends. Tekst. prom. 25 no.3:23-28 Mr '65. (MIRA 18:5)

1. Kafedra mekhanicheskoy tekhnologii voloknistykh materialov Moskovskogo tekstil'nogo instituta (for Sizova).

ZOTIKOV, V.Ye.

Summer work with students of physics. Fiz. v shkole 13 no.3:33-38 My-Je '53. (MLRA 6:6)

1. Moskva, 324ya srednyaya shkola. (Physics--Study and teaching)

ZOTIKOV, V.Ye. (Moskva)

Reviewing in physics classes. Fiz. v shkole 16 no.2:32-36 Mr-Ap '56. (MLRA 9:6)

1.324-ya srednyaya shkola.
(Physics--Study and teaching)

ZOTIKOV, V.Ya. (Moskva)

Review in physics classes. Fiz.v shkole 16 no.3:30-35 My-Je '56.
(MLRA 9:7)

1.324-ya srednyaya shkola.
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Zotikov, V. Ye.

USSR/General Problems - Problems of Teaching A-3

Abst Journal : Referat Zhur - Fizika, No 12, 1956, 33605

Author : Zotikov, V. Ye.

Institution : None

Title : Assignment of Material in Physics Lessons

Original Periodical : Fizika v Shkole, 1956, No 3, 30- [no further entries in original]

Abstract : None

Card 1/1

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Technology

Evening meeting of engineers with students and teachers of the Institute. Tekst. prom. 12 No. 7 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

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Physics - Study and Teaching

Planning the subject matter in the sixth and seventh grades. Yu. P. Yevropin, V. Ye. Zotikov. Fiz. v shkole no. 5, 1952.

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1. YEVROPIN, G. P., ZOTIKOV, V. YE.

2. USSR (600)

4. Physics - Study and Teaching

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EVROPIN, YU. P., ZOTIKOV, V. YE.

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Planning a course program in the 6th and 7th classes. Fiz. v shkole 12 no. 3, 1952.

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ZOTIKOV, V.Ye., prof., doktor tekhn.nauk

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1. Moskovskiy tekstil'nyy institut.

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Methodology of determining the radial unevenness of yarn. Izv. vys. ucheb. zav.; tekh. teks. prom. no.6:39-45 '65.
(MIRA 19:1)

1. Moskovskiy tekstil'nyy institut. Submitted February 16, 1965.

ZOTIKOV, V. E.

Textile Machinery

Strict observance of the principle of fly frames. Tekst. prom., no. 2, 1952.

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SHNEYBERG, Yakov Abramovich; ZOTIKOV, V.Ye., retsenzent; KHRUSTAL', N.V., red.; KOVALENKO, V.L., tekhn. red.

[At the sources of electrical engineering; life and work of Academician V.V.Petrov, the first Russian electrical engineer] U istokov elektrotekhniki; zhizn' i deiatel'nost' pervogo russkogo elektrotekhnika akademika V.V.Petrova. Moskva, Uchpedgiz, 1963. 145 p. (MIRA 16:6)
(Petrov, Vasilii Vladimirovich, 1761-1834)
(Electric engineering)

BALYASOV, P.D.; BUDNIKOV, V.I., prof.; VANCHIKOV, A.N.; VLADIMIROV, B.M.; KISELEV, A.K.; KONYUKOV, P.M.; RAKOV, A.P.; SMELOVA, N.A.; EFROS, B.Ye.; ZOTIKOV, V.Ya., retsenzent; BELITSIN, N.M., retsenzent; KOSTIN, B.V., retsenzent; TERYUSHNOV, A.V., prof., red.; SOKOLOVA, V.Ye., red.; BATYREVA, G.G., tekhn. red.

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(Cotton spinning)

ZOTIKOV, Vladimir Yevgen'yevich, doktor tekhn. nauk, prof.; BUDNIKOV, Ivan Vasil'yevich; TYKOV, Petr Pavlovich; GORDEYEV, Vasiliy Aleksandrovich; DALIDOVICH, Aleksandr Semenovich; CHUGREYEVA, V.N., red.; BATYREVA, G.G., tekhn. red.

[Equipment and technology for the processing of fibrous materials] Mekhanicheskaia tekhnologiia voloknistykh materialov. Moskva, Gislegprom, 1963. 638 p. (MIRA 16:9)
(Textile industry) (Textile machinery)

ZOTIKOV, Ye.A.

"Immunolegical Incompatibility of Tissues of Homografts," by N. N. Zhukov-Verezhnikov, M. M. Kapichnikov, P. M. Chepov, and Ye A. Zotikov, Division of Immunology (head, Prof N. N. Zhukov-Verezhnikov, Active Member, Academy of Medical Sciences USSR), Institute of Experimental Biology, Academy of Medical Sciences USSR (director, Prof I. N. Mayskiy), Eksperimental'naya Khirurgiya, No 6, Nov/Dec 56, pp 55,62

The authors discuss the factors and the mechanism involved in the immunological incompatibility of tissues in homografts and possible means of preventing this type of tissue incompatibility. The authors' conclusions are based on a review of Soviet and Western literature. (U)

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ZOTIKOV, Ye.A.

Changes in the immunological properties of rabbit serum following homotransplantation of the skin. Biul.eksp.biol.med. 42 no.7: 58-60 Jl '56.

(MLRA 9:9)

1. Iz laboratorii biologii antigenov (zav. - prof. P.N.Kosyakov) Instituta eksperimental'noy biologii (dir. - prof. I.N.Mayskiy) AMN SSSR, Moskva. Predstvlena deystvitel'nym chlenom AMN SSSR N.N.Zhukovym-Vereshnikovym

(SKIN TRANSPLANTATION, experimental,
eff, on serum agglutinins of homografts in rabbits (Rus))
(ANTIGENS AND ANTIBODIES,
agglutinins, eff. of skin homografts in rabbits (Rus))

ZOTIKOV, Ye. A., Cand of Med Sci -- (diss) "On the problem of the immunobiologic factors of tissue incompatiblity." Moscow, 1957, 10 pp (Academy of Medical Sciences USSR), 200 copies (KL, 31-57, 105)

ZHUKOV-VEREZHNIKOV, N.N.; KAPICHNIKOV, M.M.; CHEPOV, P.M.; ZOTIKOV, Ye.A.

Immunological incompatability of tissue in homoplastic transplantation. Eksper.khir. 2 no.2:55-62 Mr-Ap '57.
(MIRA 12:8)

1. Iz otdela immunologii (zav. -deystvitel'nyy chlen AMN SSSR prof.N.N.Zhukov-Verezhnikov) Instituta eksperimental'noy biologii AMN SSSR (dir. -prof.I.N.Mayskiy).

(SKIN TRANSPLANTATION
homoplastic, immunol. incompatability of tissue, (Rus))

ZOTIKOV, Ye.A.

Comparative study of humoral and some morphological changes following homologous skin transplantation [with summary in English]. Biul.eksp. biol. i med. 44 no.12:91-95 D '57. (MIRA 11:4)

1. Iz laboratorii biologii antigenov (zav. - prof. P.N.Kosyakov) Instituta eksperimental'noy biologii (dir. - prof. I.N.Maysky) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

(SKIN TRANSPLANTATION, experimental,
immunol., humoral & morphol. aspects of homologous transpl. (Rus))

ZOTIKOV, Ye.A. (Moskva)

Present status of the problem of tissular incompatibility in homotransplantations of organs and tissues. Usp.sovr.biol. 46 no.2:174-193 S-O '58 (MIRA 11:11)
(TRANPLANTATION (PHYSIOLOGY)

ZOTIKOV, Ye.A.

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1. Iz laboratorii biologii antigenov (zav. - prof. P.N. Kosyakov) Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

(SKIN TRANSPLANTATION, immunol.
hemagglut. reactions in rabbits (Rus))
(GLUTINATION,
in skin transpl. recipient rabbits (Rus))

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Significance of the size of a skin homograft for its survival time. Biul. eksp. biol. med. 47 no.2:119-121 F '59. (MIRA 12:4)

1. Iz laboratorii biologii antigenov (zav. - kand. med. nauk M.M. Kanichnikov) Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.
(SKIN, TRANSPLANTATION,
eff. of size of homograft on survival time (Rus))

ZOTIKOV, Ye.A.

Some methodical characteristics of homologous skin transplantation in small laboratory animals. Biul.eksp.biol. i med. 48 no.9:132-134 S '59. (MIRA 13:1)

1. Iz laboratorii biologii antigenov (zaveduyushchiy - kand. med. nauk M.M. Kapichnikov) Instituta eksperimental'noy biologii (direktor - prof. I.N. Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym AMN SSSR N.N.Zhukovym-Verezhnikovym.
(SKIN TRANSPLANTATION exper.)

ZOTIKOV, Ye.A. (Moskva)

Status of the problem of organ and tissue transplantation in America; material from the fourth national Conference in the United States. Pat. fiziol. i eksp. terap. 4 no. 6:79-81 N-D '60. (MIRA 14:2)

(TRANSPLANTATION OF ORGANS, TISSUES, ETC.)

ZOTIKOV, Ye.A.; UGOLEV, A.M.

Changes in the antigenic type properties of human erythrocytes due to the effect of some proteolytic enzymes. Biul. eksp. biol. i med. 52 no.12:69-71 D '61. (MIRA 14:12)

1. Iz laboratorii biologii antigenov (zav. - kand.med.nauk M.M. Kapichnikov) Instituta eksperimental'noy biologii (dir. - prof. I.N. Mayskiy) AMN SSSR i laboratorii obshchey fiziologii (zav. - akademik V.N.Chernigovskiy) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR V.V.Parin) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym.

(PROTEASE) (BLOOD GROUPS)

SOTIKOV, Ye.A.

Second All-Union Conference on Homotransplantation of Organs and Tissues. Pat. fiziol. i eksp. terap. 6 no.4:89-92 Jl-Ag '62. (MIRA 17:8)

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Immunological studies in homoplastic transfusions of newly prepared bone marrow. Probl. gemat. i perel. krovi 8 no.12:13-17 D '63. (MIRA 17:9)

1. Iz gematologicheskoy kliniki (zav.- prof. M.S. Dul'tsin) i serologicheskoy laboratorii (zav. Ye.A. Zotikov) TSentral'nogo instituta gematologii i perelivaniya krovi (dir.- dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

ZOTIKOV, Ye.A.; PORESHINA, L.P.; URINSON, R.M.; MANISHKINA, R.P.

Discovery of fixed antibodies on the cells of skin monografts. Pat. fiziol. i eksp. terap. 8 no.6:52-55 N-D '64.
(MIRA 18:6)

1. TSentral'nyy ordena Lenina institut gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev), Moskva.

ZOTIKOV, Ye.A.; MANISHKINA, R.P.; FAYNSHTEYN, F.E.; GRIGSON, R.M.; FORESHINA, L.P.

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1. TSentral'nyy ordena Lenina institut gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev), Moskva.

ZOTIKOV, Ye.A., kand. med. nauk; [illegible], A.M.

Changes in the antigenic properties of erythrocytes under the effect of some chemical agents. Biul. eksp. biol. i med. 60 no.7:83-88 Jl '65. (MIRA 18:8)

1. Laboratoriya immunogematologii (zav.- kand. med. nauk Ye.A. Zotikov) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (direktor - dotsent A.Ye. Kiselev), Moskva.

ZOTIKOV, Ye.A. (Moskva)

Problems of immunological tolerance; a review of the transactions of the symposium in Czechoslovakia. Pat. fiziol. i eksp. terap. 6 no.3:89-92 My-Je'62 (MIRA 17:2)

[illegible], M.P.; [illegible], Ye.A.; [illegible], A.V.; [illegible], G.I.; [illegible], L.I.; [illegible], I.M.

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1. Iz radiobiologicheskoy laboratorii (zav. - prof. M.D. Raushenbakh) i serologicheskoy laboratorii (zav. - kand. med. nauk Ye.A. Zotikov) TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi.

ZOTIKOV, Ye. A.; POROSHINA, L. P.; MANYSHKINA, R. P.; URINSON, R. M.

"Bound antibodies of skin homografts."

report submitted for 10th Cong, Intl Soc of Blood Transfusion, Stockholm, 3-8 Sep 64.

Inst of Blood Transfusion & Hematology, Moscow.

ZOTIKOV, Ye.A.; URINSON, R.M.; PORESHINA. L.P. (Moskva)

Sensitive method for detecting weak antibodies. Pat. fiziol. i eksp. terap. no.4:71-72 Jl-Ag '63. (MIRA 17:9)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir.- dotsent A.Ye. Kiselev).

ROZENTSVEYG, P.E.; ZOTIKOV, Yu.M.

New apparatus and devices for drugstore practice. Apt. delo 11 no.6:52-59 N-D'62 (MIRA 17:7)

1. Leningradskiy khimiko-farmatsevticheskiy institut.

ZOTIKOV, Yu.M.; ROZENTSVEYG, P.E.; RODIONOV, P.T.

Universal pharmaceutical apparatus, UAA-1. Apt. delo 12 no.4:53-58 Jl-Ag '63. (MIRA 17:2)

1. Leningradskiy khimiko-farmatsevticheskiy institut.

OKSYUZOV, V.A.; ZOTIKOVA, A.N.

Chlorination of titanium slags in comparable conditions by 100 °/o chlorine and a chlorine-air mixture. Titan i ego splavy no.8:98-100 '62. (MIRA 16:1)

(Chlorination) (Titanium ores)

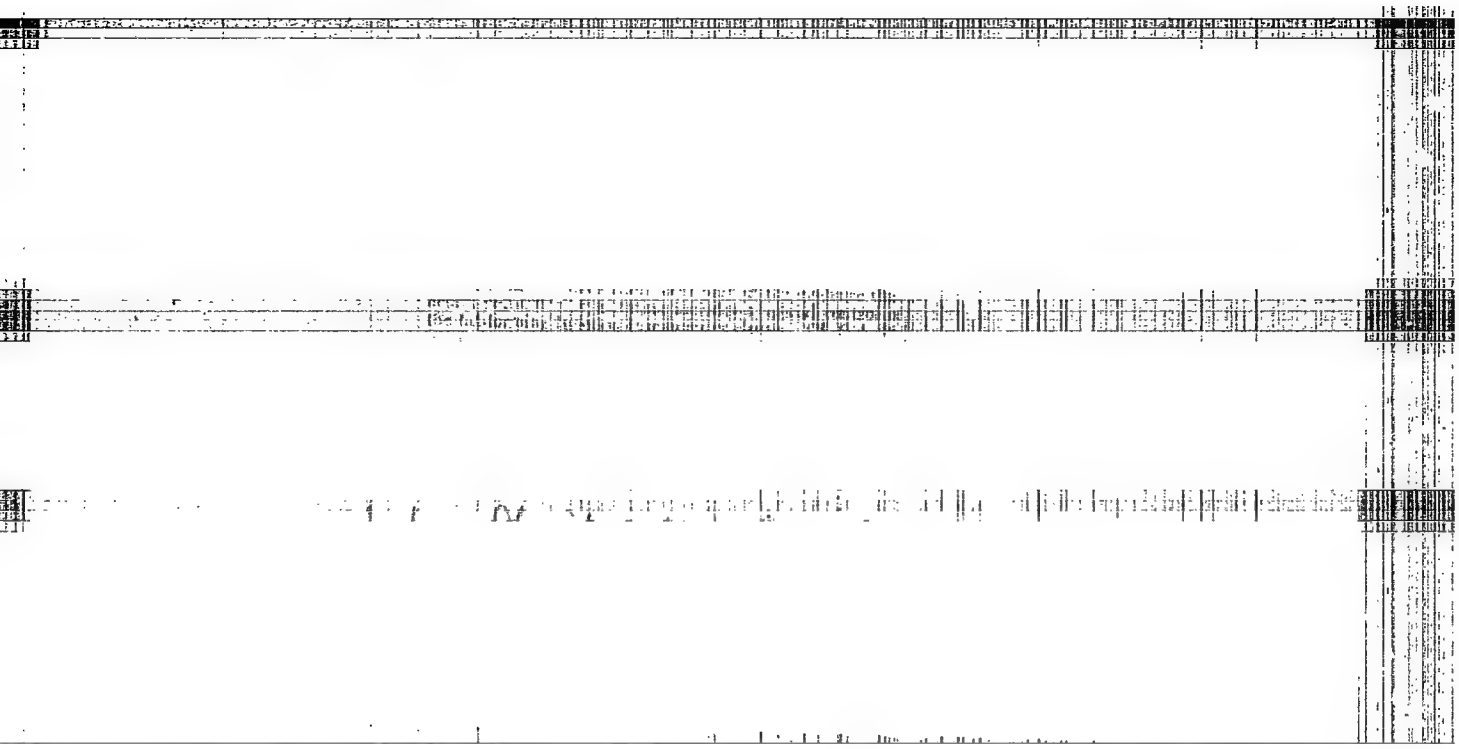
OKSYUZOV, V.A.; ZOTIKOVA, A.N.

Interaction of certain chlorides with carbon materials. Titan i ego splavy no.5:251-253 '61. (MIRA 15:2)
(Chlorides)
(Carbon)

ZOTIKOVA, I. N.

"Neuroregulation of Motor Function of the Breast; Storage and Output of Milk." (pp. 423-39) by Baryshnikov, I. A., Zaks, M. G., Zotikova, I. N., Levitskaya, E. S., Pavlov, G. N., Pavlov, E. F., Tverskoi, G. B., Tokbukhin, V. I., and Tsakhaev, G. A.

SO: Journal of General Biology (Zhurnal Obshchei Biologii) Vol. 12, No.6, (Nov-Dec) 1951



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ZOTIKOVA, I.N.

Influence of the nervous system on the secretion and flow of milk in white mice. Trudy Inst.fiziol. 4:63-67 '55. (MLRA 9:4)

1.Laboratoriya fiziologii sel'skokhozyaystvennykh zhivotnykh. Zaveduyushchiy I.A.Baryshnikov.
(Lactation) (Hormones) (Nervous system)

ZOTIKOVA, I.N.; SHENGER, I.F.

Evidence of separate antidiuretic and vasopressor effects of posterior pituitary hormones. Fiziol.zhur.SSSR 45 no.7:820-825 Jl '59.
(MIRA 13:4)

1. From the laboratory of trophic innervation, I.P. Pavlov Institute of Physiology, Leningrad.
(PITUITARY GLAND, POSTERIOR hormones)

ZOTIKOVA, I.N.; MIKHEYEV, P.V.; ROGAL', I.G.

Role of efferent innervation in the activity of the mammary gland. Fiziol. zhur. 51 no.10:1250-1255 O '65.
(MIRA 18:12)

1. Institut fiziologii imeni I.P. Pavlova AN SSSR, Leningrad.
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BARYSHNIKOV, I.A., ZOTIKOVA, I.N., TVERSKOY, O.B.

"Neuro-hormonal control of milk secretion."

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Leiden, the Netherlands 10-17 Sep 1962

ZOTIKOVA, I.N.

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1. Institut fiziologii im. I.P. Pavlova AN SSSR. Predstavleno akademikom V.N. Chernigovskim.

(MAMMARY GLANDS—INNERVATION)
(LACTATION)

ZOTIKOVA, I.N.

Functional characteristics of the neuromuscular apparatus of the bladder in frogs. Mat. po evol. fiziol. 4:157-167 '60.
(MIRA 13:10)

(BLADDER—INNERVATION)

ZOTIKOVA, I.N.

Seasonal changes in the interrelationships of innervation apparatus of the bladder in frogs. Mat. po evol. fiziol. 4:168-172 '60.
(MIRA 13:10)

(BLADDER--INNERVATION)

MURASHOVA, V.I.; Prinimala uchastiye: ZOTIKOVA, M.L.

Determination of tellurium in steel by photometric and titrimetric methods. Zhur.anal.khim. 17 no.1:80-83 Ja-F '62. (MIRA 15:2)

1. S.M.Kirov Ural Polytechnical Institute, Sverdlovsk.
(Tellurium--Analysis)

SHAPIRO, I.I.; ZOTIKOVA, M.V., inzh.; KHROMOV, Yu.N., inzh.; TURCHANINOV, A.A., red.; SOKOLOVA, T.F., tekhn.red.

[Time norms for drop forging operations; mass, large-lot, and lot production in forges for general machinery manufacture] Obshche-mashinostroitel'nye normativy vremeni na goriachuiu shtampovku; massovoe, krupnoseriinoe i seriinoe proizvodstvo. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 85 p.
(MIRA 14:1)

1.Moscow. Nauchno-issledovatel'skiy institut truda. TSentral'noe byuro promyshlennykh normativov po trudu. 2. Zaveduyushchiy otdelom mashinostroyeniya TSentral'nogo byuro promyshlennykh normativov po trudu (for Shapiro).
(Forging--Production standards)

GOROKHOVSKIY, V.M.; ZOTIKOVA, S.V.; ARTISHEVSKAYA, I.F.

Complexometric determining of silver in color films. Trudy NIKFI no.46:83-84 '62. (MIRA 18:8)

ZOTIKOVA, S. V.

USSR/Chemistry - Organic Sulfur Compounds Sep 52

"Allyl Rearrangements. XVIII. The Reactions Between Methoxychloropentenes and Salts of Xanthogenic Acid," A. N. Pudovik, S. V. Zotikova, Kazan' State U imeni V. I. Ul'yanov-Lenin

"Zhur Obshch Khim" Vol 22, No 9, pp 1559-1562

Reactions between isomeric methoxychloropentenes and sodium ethyl- and butylxanthogenates [illegible] 1-methoxy-3-chloropentene-5 reacts with sodium ethyl- and butylxanthogenate in a normal manner under formation of

232T23

methoxypentenyl esters of ethyl- and butylxanthogenic acids, resp. As a result of the action of ethyl- and butylxanthogenates of sodium on 1-methoxy-3-chloropentene-4, dimethoxypentenyl thiophene forms. The reaction proceeds under a complete allyl rearrangement. A mechanism for the formation of dimethoxypentenyl thiophene is proposed.

232T23

ZOTIKOVA, V.L., kand. med. nauk

Invalidism after fractures of the femur. Ortop., travm. i protez. 24 no.3:35-39 Mr '63. (MIRA 17:2)

1. Iz Dnepropetrovskogo instituta vosstanovleniya i ekspertizy trudosposobnosti invalidov. Adres avtorm: Dnepropetrovsk, Sovetskiy per., d. 1-a, Dnepropetrovskiy institut vosstanovleniya i ekspertizy trudosposobnosti invalidov.

SHUKSTAL', Ya.V., kand.ekon.nauk; ZOTIKOVA, V.I., kand.ekon.nauk; VERKHOVSKIY, I.A, kand.ekon.nauk; PARAKHONSKIY, B.M., kand. ekon.nauk; SHUL'GA, A.M., assistent; KHACHATUROV, T.S., otv. red.; SHENKMAN, B.I., red.izd-va; NOVICHKOVA, N.D., tekhn.red.

[Transportation costs in the national economy of the U.S.S.R.] Transportnye izderzhki v narodnom khoziaistve SSSR. Moskva, Izd-vo Akad.nauk SSSR, 1959. 127 p. (MIRA 12:11)

1. Chlen-korrespondent AN SSSR; direktor Instituta kompleksnykh transportnykh problem Akademii Nauk SSSR (for Khachaturov).
(Transportation--Cost of operation)

SHUKSTAL', Ya.V., kand. ekonom. nauk; VERKHOVSKIY, I.A., kand. ekonom. nauk; FOMIN, V.M., kand. ekonom. nauk; MEZENEV, N.I., inzh.; DMITRIYEV, V.I., kand. ekonom. nauk; PADUKA, V.A., inzh.; Prinimali uchastiye: ZOTIKOVA, V.I., kand. ekonom. nauk; YELISEYEVA, T.V., inzh.; KUSLITSKAYA, V.Kh., inzh.; KUDRYAVTSEVA, T.N., inzh.; MEZENEV, N.I., inzh.; TIKHONCHUK, M.K., inzh.; FEDOSOVA, V.N., tekhnik; DOBSHITS, N.L., red. izd-va; TIKHOMIROVA, S.G., tekhn. red.; LAUT, V.G., tekhn. red.

[Scope of the use of railroads and motorvehicles for short-distance freight haulage] Sfery primeneniia zheleznodorozhnogo i avtomobil'nogo transporta pri perevozke gruzov na korotkie rasstoianiia. Moskva, Izd-vo Akad. nauk SSSR, 1961. 197 p. (MIRA 15:2)

1. Akademiya nauk SSSR. Institut kompleksnykh transportnykh problem.

(Transportation,Automotive) (Railroads--Freight)

Zotikova, Ye A

MAYSKIY, I.N., prof.; ZOTIKOVA, Ye.A.

Conference of the Czechoslovak Academy of Science on organ and tissue transplantation. Vest.AMN SSSR 13 no.3:60-62 '58. (MIRA 11:4)
(TRANSPLANTATION OF ORGANS, TISSUES, ETC.)

ZOTIMOV, I., inzh.; BUROV, N.

Construction equipment mounted and hitched to agricultural machines.
Sel'. stroi. 17 no.2:12-14 F '63. (MIRA 16:3)
(Construction equipment) (Agricultural machinery)

S/169/63/000/001/023/062
D218/D307

AUTHORS: Dimaksyan, A.M., Zotimov, N.V. and Zykov, N.A.

TITLE: Measurement of rainfall intensity by the radar method

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1963, 24, abstract 1B147 (Tr. Gos. gidrolog. in-ta, 1962, no. 87, 3-26)

TEXT: A comparison is given of radar and ombrometer data on rainfall intensity over a territory of 10,000 km^2. The average area covered by each of the rainfall measuring points lay between 31 and 97 km^2. The properties of the underlying surface were such that the variability in the rainfall intensity over the territory was 20%. Nonuniformity in the distribution of the rainfall intensity over the area was such that the radar and ombrometer data could not be reliably compared without sufficient averaging. Hence the radar station was calibrated using rainfall intensity data which were averaged over 5-70 minute intervals and over groups of ombrom-

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S/169/63/000/001/023/062
D218/D307

Measurement of rainfall ...

eters. As a result of the analysis of the data, a linear relation was obtained between the radio-echo amplitudes and the rainfall intensity at fixed distances. The slopes of these straight lines increase in proportion to the square of the distance to be object under investigation. A nomogram is constructed which may be used to deduce the rainfall intensity from the amplitude of the echo and the range. The average relative experimental error is about 20%, although it may be much higher in individual cases.
[Abstracter's note: Complete translation]

Card 2/2

DIMAKSYAN, A.M.; ZOTIMOV, N.V.

Method of calibrating radar according to the intensity of rain. (MIRA 15:12)
Meteor.i gidrol. no.12:40-43 D '62.

1. Gosudarstvennyy gidrologicheskiy institut.
(Radar meteorology)

ZOTIMOV, N.V.

Practice of using UDV-1 level gauges. Trudy IGI no.87:46-54 '62. (MIRA 15:8)

(Liquid level indicators)

ZOTIMOV, N.V.

Measuring soil moisture on a lysimeter by the gamma method.
Trudy GGI no.109:140-150 '64. (MIRA 17:9)

GOLUBEV, V.S.; ZOTIKOV, I.V.; KREKOV, N.A.

Some results of studies of liquid precipitation in the region of the Valday Hills. Trudy GGI no.123:5-14 '65.

(MIRA 19:10)

L 36066-66 EWT(1)/FCC RB/GW
ACC NR: AT6017534 (N) SOURCE CODE: UR/3186/65/000/130/0122/0131

37
B+1

AUTHOR: Dimaksyan, A. M. (Candidate of technical sciences); Zotimov, N. V.

ORG: none

TITLE: Work results of liquid precipitation measurements based on radar

SOURCE: Leningrad. Gosudarstvennyy gidrologicheskiy institut. Trudy, no. 130, 1965. Primeneniye avtomatiki, radioelektroniki i yadernykh izlucheniy pri gidrologicheskikh issledovaniyakh (Application of automation, radio electronics and nuclear radiation in hydrological studies), 122-131

TOPIC TAGS: meteorologic radar, radar calibration, radar transmitter, radar receiver

ABSTRACT: The possible use of radar in measuring total amount and intensity of liquid precipitation is discussed. The correlation between the magnitude of the radar echo signal and the intensity of precipitation is established. Using a differential calibration method, a radar installation can measure rain intensity for any season of the year. This calibration is applicable to any kind of radar station. It is concluded that in order to record precipitation during any period of the year (for a 100 km radius) it is necessary to have radar transmitters and receivers with a sensitivity 20 times greater than the existing models. The combined use of amplitude analyzers and computers is recommended. Orig. art. has: 6 figures.

SUB CODE: 04,17/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 001

Card 1/1 vmb

L 46327-66 EWT(1)/EWT(m) GD/GW

ACC NR: AT6017535 (A) SOURCE CODE: UR/3186/65/000/130/0148/0162

AUTHOR: Zotimov, N. V.

ORG: none

TITLE: Surface measurement of water supply in snow based on the earth's radioactivity

SOURCE: Leningrad. Gosudarstvennyy gidrologicheskiy institut. Trudy, no. 130, 1965. Primeneniye avtomatiki, radioelektroniki i yadernykh izlucheniy pri gidrologicheskikh issledovaniyakh (Application of automation, radioelectronics and nuclear radiation in hydrological studies), 148-162

TOPIC TAGS: gas discharge counter, radioactivity measurement, snow / STS-6 gas discharge counter

ABSTRACT: Problems connected with using the earth's natural radioactivity as a basis for measuring water content in snow are discussed. The effects of soil moisture, precipitation, and soil cultivation on the accuracy of these measurements are discussed. The STS-6 gas discharge counter, constructed for the detection of gamma rays, is described. This counter has good mechanical stability, long life, reliable performance and requires relatively small power supply. Experiments show that the effective rate of measurement is directly proportional to the number of counters connected in parallel. Orig. art. has: 7 figures, 8 formulas, 4 tables.

SUB CODE: 08, 20/14/ SUBM DATE: none/ ORIG REF: 011/ OTH REF: 002

Card 1/1

ZOTIN, A. I.

"The Composition, Properties, and Significance of the Egg Membranes of Sturgeon and Salmon Embryos." Cand Biol Sci, Inst of Animal Morphology, Moscow, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

ZOTIN, A.I.

Requirements of water from external sources by sturgeon roe. Doklady Akad. nauk SSSR 89 no. 2:377-380 11 Mar 1953. (CIML 24:1)

1. Presented by Academician Ye. N. Pavlovskiy 20 January 1953. 2. Institute of Animal Morphology imeni A. N. Severtsov of the Academy of Sciences USSR.

ZOTIN, A. I.

Salmon

Initial stages in the process of hardening of salmon egg membranes. Dokl. AN SSSR 89, No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

ZOTIN, A.I.; PAVLOVSKIY, Ye.N., akademik.

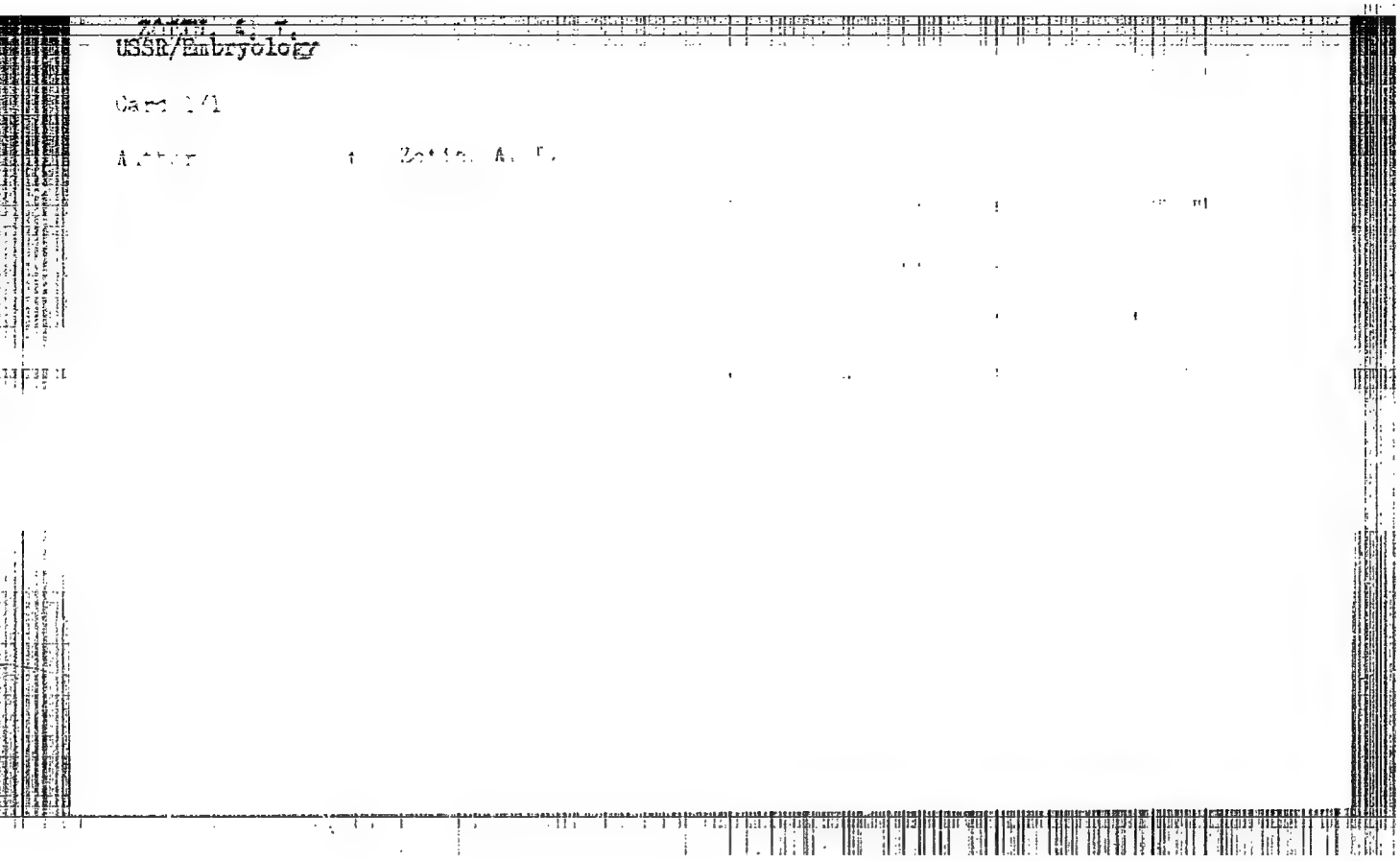
Resistance modifications in the embryonic roe membranes of sturgeon-like fishes during spawning. Dokl.AN SSSR 92 no.2:443-446 S '53. (MLRA 6:9)

1. Akademiya nauk SSSR (for Pavlovskiy). 2. Institut morfologii zhivotnykh im. A.N.Severtsova Akademii nauk SSSR (for Zotin).
(Sturgeons) (Embryology--Fishes)

ZOTIN, A. I.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Biological Chemistry

The hatching enzyme in embryos of sturgeon-type fish. A. I. Zotin, *Doklady Akad. Nauk S.S.S.R.* 92, 685–7 (1953).—Embryos of *Acipenser stellatus*, *A. güldenstädti*, and *Huso huso* carry an enzyme which facilitates their hatching from the eggs. The enzyme is water-sol. and keeps activity in aq. soln. at 22° even for 20 days. Only the lower part of the head of the embryo carries the enzyme. The enzyme is inactivated at 43–5°, but at lower values shows substantially linear variation of activity with temp. The enzyme first appears at the beginning of heart action and rises rapidly in its activity when it is accumulated in the hatching gland on the head. After hatching the activity declines rather rapidly. G. M. Kosolapoff



ZOTIN, A.I.

Significance of the internal vitelline membrane as a mechanical resistance in the development of sturgeon. Dokl.AN SSSR 96 no.3: 677-679 My '54. (MLRA 7:6)

1. Predstavleno akademikom K.I.Skryabinym.
(OVUM,
*vitelline membrane, protective role in sturgeon)
(FISH,
*sturgeon, protective role of vitelline membrane)

ZOTIN, A.I.

Absorption of water from the environment by developing salmon and sturgeon eggs. Vop.ikht.no.4:82-104 '55. (MLRA 9:6)

1.Institut morfologii zhivotnykh Akademii nauk SSSR.
(Embryology--Fishes)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R002065430008-3"

ZOTIN, A.I.; ZOTINA, R.S.

Works of Iaroslav Ivanovich Grdina on the theoretical mechanics of living organisms. Biofizika 1 no.5:480-492 '56. (MLRA 9:10)
(GRDINA, IAROSLAV IVANOVICH, 1871-1931)

ZOTINA, R.S.; ZOTIN, A.I. (Moskva).

Mathematical theories of the movement of living organisms. Usp. sovr. biol. 44 no.3:285-299 N-D '57. (MIRA 11:1)
(ANIMAL MECHANICS) (BIOMATHEMATICS)

20-5-53/54

AUTHOR: Zotin, A.I.

TITLE: The Water Absorbed by the Surrounding Medium and the Formation of Cavities in Embryos of Acipenser Stellatus (Potrebleniye vody iz okruzhayushchey sredy i obrazovaniye polostey zarodyshey sevryugi)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 115, Nr 5, pp. 1040-1043 (USSR)

ABSTRACT: In the embryonal development of sturgeons 5 periods of a water "turnover" were found to take place in the ova. They are characterized by a similar velocity of water supply from the outside in the course of the entire period and by a quick change of velocity of water supply into the ovum when passing from one period to another. It is a known fact that during embryonal development several cavities are formed in the body. It was, of course, to be assumed that the water taken up by the ovum is used up for the forming of liquids in these cavities and that the periods of water supply into the ovum are connected with the dynamics of the formation and disappearance of embryonal cavities. By means of Edinger's apparatus the contous

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The Water Absorbed by the Surrounding Medium and the Formation of Cavities in Embryos of Acipenser Stellatus

to decrease, at about the 27th stage of this period the primitive kidney ducts reach the intestinal intususception into which they lead. Thus the primitive kidney ducts are connected with the outside. It may be assumed that the primitive kidneys now begin to function and that the abrupt shrinking of the volume of the intestinal cavity is connected with the setting in of this function. Apparently the water is pumped by the primitive kidneys from the intestinal lumen mainly into the perivitelline space. There are 3 figures and 4 Slavic references.

ASSOCIATION: Institute for Animal Morphology imeni A.N.Severtsov, AN USSR (Institut morfologii zhivotnykh im.A.N.Severtsova Akademii nauk SSSR)

PRESENTED: by I.I. Shmal'gauzen, Academician , Feb. 20, 1957

SUBMITTED: February 12, 1957

AVAILABLE: Library of Congress

AUTHOR: Zotin, A. I. SOV/20-121-5-49/50

TITLE: The Rate of Water Renewal in the Embryos of Acipenser Guldenstaedti Colchicus v. Marti (In the text referred to as A.G.C. v.M.) (Skorost' obnovleniya vody u zarodyshey osetra (Acipenser gueldenstaedti colchicus v. Marti))

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 121, Nr 5, pp. 948-951 (USSR)

ABSTRACT: The embryos of the A.G.C.v.M. (Refs 4, 8), of the river lamprey (Ref 9), and of amphibia (Refs 10-12) use water from the outer medium during the whole period of their development; with Teleostae this is the case only during the first hours of their development (Refs 1-7). For the purpose of elucidation of the rate of the penetration of the water into the embryo of the A.G.C.v.M. at different states of development and of the factors, which influence this process, the author carried out experiments in Rogozhkino (Don) with marked water (D_2O). Before the test two of the three membranes of the eggs of the A.G.C. v.M. were removed. The concentration of the D_2O was determined by means of the method of falling drops. Figure 1 shows the

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The Rate of Water Renewal in the Embryos of Acipenser Guldenstaedti Colchicus v. Marti (In the text referred to as A.G.C.v.M.)

apparatus which served hereby. From figure 2 can be seen that the eggs of the A.G.C.v.M, placed in a 4,5 per cent D_2O-solution, cause a rapid dilution of the latter, which comes to an end after 50 - 60 minutes. The same figure shows data on the rate of diffusion of D_2O in dead embryos (killed by heat). It is greater than that of living embryos. From further experiments on the influence of temperature and of ferment toxins the author concludes that the water renewal of the embryos of the A.G.C.v.M. is an active process and connected with some chemical processes in the embryo (Fig 3. The results with ferment toxins were even clearer: 7.10^{-3} M of 2,4-dinitrophenol, further with NaF and NaN_3. Figure 4 shows that the rate of penetration of the water into the embryos decreases rapidly if they are put into the solution of these substances. Supported by these data it is conceivable that the water absorption and -renewal by the embryos of the A.G.C.v.M. is connected with glycolysis and the oxydative phosphorylation. There are 4 figures and 17 references, 8 of which are Soviet.

The Rate of Water Renewal in the Embryos of Acipenser Guldenstaedti Colchicus v. Marti (In the text referred to as A.G.C.v.M.) SOV/20-121-5-49/50

ASSOCIATION: Institut morfologii zhivotnykh im. A. N. Severtsova, Akademii nauk SSSR (Institute for Zoomorphology imeni A. N. Severtsov, AS USSR)

PRESENTED: April 24, 1958, by V. A. Engel'gard, Member, Academy of Sciences, USSR

SUBMITTED: April 21, 1958

Card 3/3

AUTHOR: Zotin, A.I.

SOV/20-121-6-44/45

TITLE: The Membrane Hardening Enzyme of Salmon Eggs (Ferment zatverdevaniya obolochek u yaits lososevykh ryb)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 6, pp 1105-1108 (USSR)

ABSTRACT: In connection with the investigation of eggs of various fishes and sea urchins (Refs 1-6) it was found that the egg secretes after fertilization or after activation certain substances which bring about the hardening and solidification of the egg membranes. In the perivitelline liquid of the just fertilized eggs of salmons a substance is contained which leads to a hardening of the membrane in the case of not activated eggs. The tests were carried out with embryos of sea salmon (Salmo salar m. sebago Girard) and trout (S. trutta m. lacustris L.) in the years 1956 and 1957 in the Svirskiy rybovodnyy zavod (Svirskiy Fish Breeding Institute). As it is known (Refs 7-11) water, salts and highly dispersed colloids may permeate the membranes of salmons but not low dispersed colloids. Thus the mentioned substance is an unstable compound of high molecular weight. It is rapidly inactivated by high temperatures. Therefore it could be believed

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to be an enzyme. Even when it is still in the cytoplasm of the egg it may be inactivated. From the surface layer of the egg of osseans particular substances are excreted which take part in the formation of the perivitelline space (Refs 12-17). In the cortical layer of the cytoplasm of unfertilized eggs these substances are represented by vacuoles which disappear after fertilization or activation (Refs 18-21). In order to find out whether the hardening enzyme is contained in the cortical alveoli or not the author carried out a series of investigations with different NaCl concentrations. In the tests, the results of which shows table 2, it was proved that the hardening enzyme is lacking in the case of salmons among the substances which take part in the formation of the perivitelline space and probably also in the vacuoles of the inactivated eggs. From curve 3, figure 3) it may be seen that the hardening of the membranes in the embryos of salmons cannot take place without the participation of the hardening enzyme in this process. There are 3 figures, 2 tables, and 21 references, 6 of which are Soviet.

The Membrane Hardening Enzyme of Salmon Eggs

507/20-121-6-44/45

ASSOCIATION: Institut morfologii zhivotnykh im. A.N. Severtsova Akademii nauk SSSR (Institute of Animal Morphology imeni A.N. Severtsov, AS USSR)

PRESENTED: April 21, 1958, by V.A. Engel'gardt, Member, Acedemy of Sciences, USSR

SUBMITTED: April 20, 1958

Card 3/3